

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Scott D. Paul (Reg. No. 42,984) on July 31, 2009.

3. Amend the claims as follows:
 1. (Currently Amended) A user centric policy creation and enforcement method comprising ~~the steps of:~~

observing state changes and action invocations in disparate applications through visual views of said disparate applications displayed by a computer system;
demarcating segments of markup as segments which visually indicate said observed state changes in said disparate applications by parsing said markup defining the visual views of said disparate applications using a page crawler;
establishing correlations between said observed state changes and action invocations;
formulating rules in a policy based upon user selected ones of said established correlations, each of said rules specifying a state change in at least one of said

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disparate applications, and at least one resulting action invocation in at least one other of said disparate applications; and, and

applying said policy to automatically respond to each subsequently observed state change with a specified action invocation.

2. (Canceled).

3. (Currently Amended) The method of claim 1, wherein said ~~step of establishing correlations comprises the steps of:~~

noting a time for each of said observed state changes;
further noting a time for each of said action invocations; and, and
correlating said observed state changes with said action invocations based upon said noted times.

4. (Currently Amended) A user centric policy creation and enforcement system comprising:

a policy interface unit of a computer system coupled to a plurality of user interface views into corresponding disparate applications,
said policy interface unit having a configuration ~~both~~ for:
establishing a policy to respond to observed state changes in selected ones of said disparate applications with observed action invocations in others of said disparate applications;

demarcating segments of markup as segments which visually indicate said observed state changes in said disparate applications by parsing said markup defining the visual views of said disparate applications using a page crawler; and

enforcing said established policy by applying said action invocations responsive to observing said state changes;

wherein said policy interface unit comprises a learning component, said learning component having a configuration for correlating observed events with action invocations to formulate proposed rules.

5. (Previously Presented) The system of claim 4, wherein said plurality of user interface views comprise portlet views.

6. (Original) The system of claim 4, wherein said policy interface unit is disposed within an integrated solutions console.

7. (Currently Amended) The system of claim 4, wherein said policy interface unit further comprises a learning component, a user dialog component and an enforcement component, ~~said learning component having a configuration for correlating observed events with action invocations to formulate proposed rules~~, said user dialog component having a configuration for accepting a user selection of said proposed rules, said enforcement component having a configuration for enforcing selected ones of said proposed rules.

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8. (Currently Amended) A computer program product comprising a machine readable storage having stored thereon a computer program for user centric policy creation and enforcement, said computer program ~~comprising a routine set of instructions, when executed by a processor, for causing the machine to perform~~ the steps of:

observing state changes and action invocations in disparate applications through visual views of said disparate applications;

demarcating segments of markup as segments which visually indicate said observed state changes in said disparate applications by parsing said markup defining the visual views of said disparate applications using a page crawler;

establishing correlations between said observed state changes and action invocations;

formulating rules in a policy based upon user selected ones of said established correlations, each of said rules specifying a state change in at least one of said disparate applications, and at least one resulting action invocation in at least one other of said disparate applications; and, and

applying said policy to automatically respond to each subsequently observed state change with a specified action invocation.

9. (Canceled).

10. (Currently Amended) The computer program product machine readable storage of claim 8, wherein said step of establishing correlations comprises the steps of:

noting a time for each of said observed state changes;
further noting a time for each of said action invocations; and, and
correlating said observed state changes with said action invocations based upon
said noted times.

11. (Currently Amended) A method for user centric policy creation and enforcement comprising the steps of:

observing in an initial policy interface unit state changes and action invocations in at least one application through a visual view of said at least one application displayed by a computer system;

demarcating segments of markup as segments which visually indicate said observed state changes in said disparate applications by parsing said markup defining the visual views of said disparate applications using a page crawler;

establishing correlations between said observed state changes and action invocations;

formulating rules in a policy based upon user selected ones of said established correlations, each of said rules specifying a state change in said at least one application, and at least one resulting action invocation in one of said at least one application and at least one other application; and, and

distributing said policy to at least one other policy interface unit; and

enforcing said policy in said at least one other policy interface unit to automatically respond to each subsequently observed state change with a specified action invocation.

12. (Canceled).

13. (Currently Amended) The method of claim 11, further comprising ~~the step of~~ enforcing said policy in said at least one other policy interface unit to automatically respond to each subsequently observed state change with a specified action invocation.

14. (Currently Amended) The method of claim 13, further comprising ~~the step of~~ limiting said enforcing of said policy in said at least one other policy interface unit based upon pre-defined permissions.

15. (Currently Amended) A computer program product comprising a machine readable storage having stored thereon a computer program for user centric policy creation and enforcement, the computer program ~~comprising a routine set of instructions, when executed by a processor, for causing the machine to perform~~ the steps of:

observing in an initial policy interface unit state changes and action invocations in at least one application through a visual view of said at least one application;

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demarcating segments of markup as segments which visually indicate said observed state changes in said disparate applications by parsing said markup defining the visual views of said disparate applications using a page crawler;

establishing correlations between said observed state changes and action invocations;

formulating rules in a policy based upon user selected ones of said established correlations, each of said rules specifying a state change in said at least one application, and at least one resulting action invocation in one of said at least one application and at least one other application; and, and

distributing said policy to at least one other policy interface unit; and
enforcing said policy in said initial policy interface unit to automatically respond to each subsequently observed state change with a specified action invocation.

16. (Canceled).

17. (Currently Amended) The computer program product ~~machine readable storage~~ of claim 15, further comprising the step of enforcing said policy in said at least one other policy interface unit to automatically respond to each subsequently observed state change with a specified action invocation.

18. (Currently Amended) The computer program product ~~machine readable storage~~ of

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claim 17, further comprising the step of limiting said enforcing of said policy in said at least one other policy interface unit based upon pre-defined permissions.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

CONCLUSION

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent 5,621,663 to Skagerling, U.S. Patent 5,872,931 to Chivaluri, U.S. Patent 5,944,782 to Noble et al., U.S. Patent 6,035,343 to Tsushima et al., U.S. Patent 6,336,139 B1 to Feridun et al., U.S. Patent 6,366,926 B1 to Pohlmann et al., U.S. Patent 6,446,136 B1 to Pohlmann et al., U.S. Patent 6,721,804 B1 to Rubin et al., U.S. Patent 6,779,120 B1 to Valente et al., U.S. Patent 7,305,679 B2 to Kovacs et al., U.S. Patent 7,461,382 B2 Hammerich et al., U.S. Publication No. 2004/0010793 A1 to Wallace et al., U.S. Publication No. 2004/0139452 A1 to Hope et al., U.S. Publication No. 2005/0027837 A1 to Roese et al., U.S. Publication No. 2006/0059107 A1 to Elmore et al. disclose correlating events based on rules and executing a policy based on the correlation of events.

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6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to KimbleAnn Verdi whose telephone number is (571)270-1654. The examiner can normally be reached on Monday-Friday 7:30am-5:00pm EST.

7. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

July 31, 2009

KV

/Hyung S. Sough/
Supervisory Patent Examiner, Art Unit 2194
08/03/09